

Product datasheet

Anti-HADHB antibody ab230667

5 Images

Overview

Product name	Anti-HADHB antibody
Description	Rabbit polyclonal to HADHB
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment corresponding to Human HADHB. Database link: P55084
Positive control	IHC-P: Human pancreas, heart and liver tissue. ICC/IF: A549 cells. WB: BT-474, SW480, HepG2, HEK-293T and Jurkat cell extracts. Mouse liver, kidney and heart extracts. Rat liver extracts.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
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Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab230667** in the following tested applications.

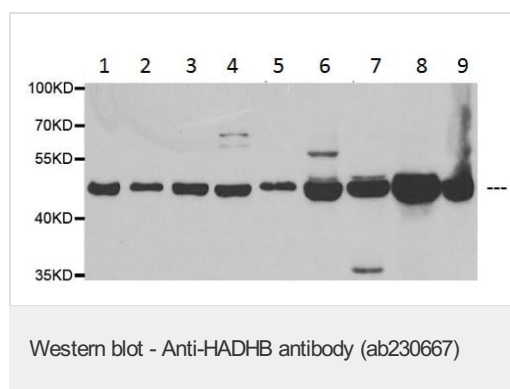
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 51 kDa.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/10 - 1/100.

Target

Pathway	Lipid metabolism; fatty acid beta-oxidation.
Involvement in disease	Defects in HADHB are a cause of trifunctional protein deficiency (TFP deficiency) [MIM:609015]. The clinical manifestations are very variable and include hypoglycemia, cardiomyopathy and sudden death. Phenotypes with mainly hepatic and neuromyopathic involvement can also be distinguished. Biochemically, TFP deficiency is defined by the loss of all three enzyme activities of the TFP complex.
Sequence similarities	Belongs to the thiolase family.
Cellular localization	Mitochondrion.

Images



All lanes : Anti-HADHB antibody (ab230667) at 1/500 dilution

Lane 1 : BT-474 (Human ductal breast epithelial tumor cell line) cell extracts

Lane 2 : SW480 (Human colorectal adenocarcinoma cell line) cell extracts

Lane 3 : HepG2 (Human liver hepatocellular carcinoma cell line) cell extracts

Lane 4 : HEK-293T (Human epithelial cell line from embryonic

kidney transformed with large T antigen) cell extracts

Lane 5 : Jurkat (Human T cell leukemia cell line from peripheral blood) cell extracts

Lane 6 : Mouse liver extracts

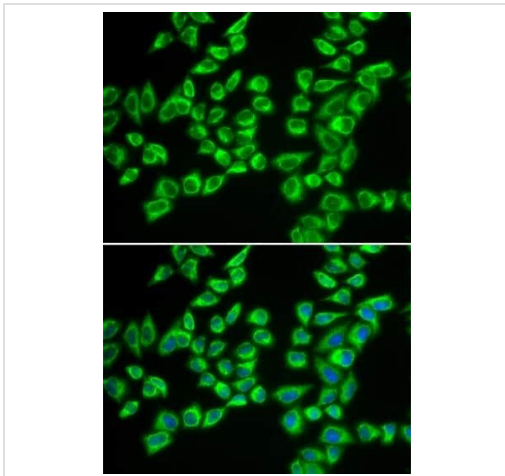
Lane 7 : Mouse kidney extracts

Lane 8 : Mouse heart extracts

Lane 9 : Rat liver extracts

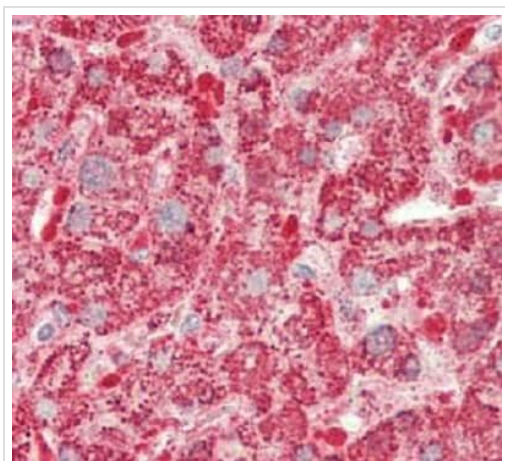
Developed using the ECL technique.

Predicted band size: 51 kDa



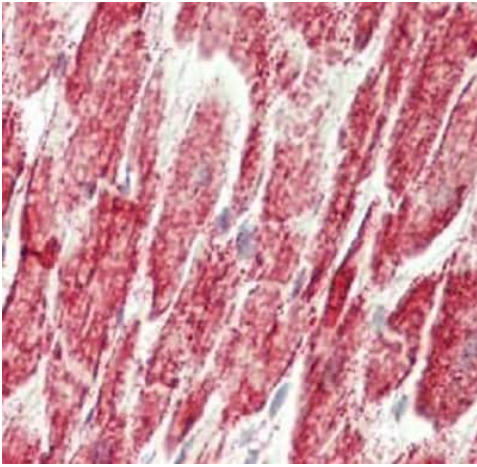
A549 (Human lung carcinoma cell line) cells stained for HADHB using ab230667 at a dilution of 1/10 in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-HADHB antibody (ab230667)



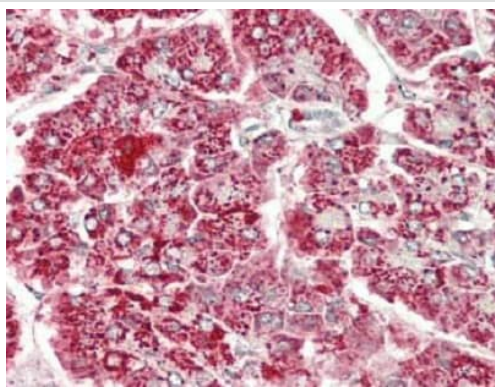
Formalin-fixed, paraffin-embedded human liver tissue stained for HADHB with ab230667 at a 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HADHB antibody (ab230667)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HADHB antibody (ab230667)

Formalin-fixed, paraffin-embedded human heart tissue stained for HADHB with ab230667 at a 1/50 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HADHB antibody (ab230667)

Formalin-fixed, paraffin-embedded human pancreas tissue stained for HADHB with ab230667 at a 1/50 dilution in immunohistochemical analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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